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The following are valid formats:
Substance information can be displayed by requesting individual
fields or predefined formats. The predefined substance formats
are: (RN = CAS Registry Number)
REG
      - RN
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MF

Unspecified

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SAM
       - Index Name, MF, and structure - no RN
FIDE
       - All substance data, except sequence data
       - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
       - Protein sequence data, includes RN
SQD3
       - Same as SQD, but 3-letter amino acid codes are used
SON
       - Protein sequence name information, includes RN
CALC
       - Table of calculated properties
      - Table of experimental properties
EPROP
       - EPROP and CALC
PROP
Any CA File format may be combined with any substance format to
obtain CA references citing the substance. The substance formats
must be cited first. The CA File predefined formats are:
ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL
IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented
OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels
SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations
The ALL format gives FIDE BIB ABS IND RE, plus sequence data when
it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented,
with text labels.
For additional information, please consult the following help
messages:
HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
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192001 ttaccaaatq qtcatttqac ccacaaaqat qqcacttttt aqcttttttq
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194701 gggcatcaaa ctgttcagta ggcccctggc gttcatattt agggtgtttt
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197151 ctccagagcc agtggctgca ttaatatgca aaagaatcct ccaatgagaa
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197401 gaatctaatc agaattctca ttggttaatc tataatttt tcttcaacat
```

197451 cta

<---->

=> D HISTORY

(FILE 'HOME' ENTERED AT 13:04:11 ON 22 JUL 2005)

FILE 'REGISTRY' ENTERED AT 13:04:19 ON 22 JUL 2005 L1 125 S TCGCGAACGTTCG/SQSN

=> FILE USPATFULL CAPLUS GENBANK COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 168.89 169.10

FULL ESTIMATED COST

FILE 'USPATFULL' ENTERED AT 13:09:58 ON 22 JUL 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 13:09:58 ON 22 JUL 2005 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'GENBANK' ENTERED AT 13:09:58 ON 22 JUL 2005

=> S L1 L2 150 L1

=> REMOVE DUPLICATES L2 DUPLICATES IS NOT VALID HERE The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/O - delete query names starting with BIO - delete answer set names ending with DRUG DELETE ?DRUG/A DELETE ?ELEC?/L - delete L-number lists containing ELEC DELETE ANTICOAG/S - delete SDI request DELETE ENZYME/B - delete batch request DELETE .MYCLUSTER - delete user-defined cluster - delete user-defined display format DELETE .MYFORMAT DELETE .MYFIELD - delete user-defined search field DELETE NAMELIST MYLIST - delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C - delete print request
DELETE D134002C - delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or

NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

```
DELETE L21 - delete a single L-number

DELETE L3-L6 - delete a range of L-numbers

DELETE LAST 4 - delete the last 4 L-numbers

DELETE L33- - delete L33 and any higher L-number

DELETE -L55 - delete L55 and any lower L-number

DELETE L2-L6 RENUMBER - delete a range of L-numbers and renumber remaining L-numbers

DELETE RENUMBER - renumber L-numbers after deletion of intermediate L-numbers
```

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```
DELETE SAVED/Q - delete all saved queries

DELETE SAVED/A - delete all saved answer sets

DELETE SAVED/L - delete all saved L-number lists

DELETE SAVED - delete all saved queries, answer sets, and L-number lists

DELETE SAVED/S - delete all SDI requests

DELETE SAVED/B - delete all batch requests

DELETE CLUSTER - delete all user-defined clusters

DELETE FORMAT - delete all user-defined display formats

DELETE FIELD - delete all user-defined search fields

DELETE SELECT - delete all E-numbers

DELETE HISTORY - delete all L-numbers and restart the session at L1
```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```
=> DUP REM L2
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L2
L3 139 DUP REM L2 (11 DUPLICATES REMOVED)
```

=> L3 AND py<2001 L3 IS NOT A RECOGNIZED COMMAND The previous command name entered was not recognized by the system. For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

```
=> S L3 AND py<2001
L4 13 L3 AND PY<2001
```

=> D L4 KWIC BIB AB

```
L4 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN SO Infection and Immunity (2000), 68(12), 6840-6847 CODEN: INFIBR; ISSN: 0019-9567
IT 225597-70-6, GenBank AF116907 296752-82-4, GenBank
```

AP001204

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(nucleotide sequence; DNA sequence and comparison of virulence plasmids from Rhodococcus equi ATCC 33701 and 103)

- AN 2001:374769 CAPLUS
- DN 136:96979
- TI DNA sequence and comparison of virulence plasmids from Rhodococcus equi ATCC 33701 and 103
- AU Takai, Shinji; Hines, Stephen A.; Sekizaki, Tsutomu; Nicholson, Vivian M.; Alperin, Debra A.; Osaki, Makoto; Takamatsu, Daisuke; Nakamura, Mutsu; Suzuki, Kayo; Ogino, Nobuko; Kakuda, Tsutomu; Dan, Hanhong; Prescott, John F.
- CS Department of Animal Hygiene, School of Veterinary Medicine and Animal Science, Kitasato University, Aomori, 034-8628, Japan
- SO Infection and Immunity (2000), 68(12), 6840-6847 CODEN: INFIBR; ISSN: 0019-9567
- PB American Society for Microbiology
- DT Journal
- LA English
- AB The virulence plasmids of the equine virulent strains Rhodococcus equi ATCC 33701 and 103 were sequenced, and their genetic structure was analyzed. P33701 was 80,610 bp in length, and p103 was 1 bp shorter; their sequences were virtually identical. The plasmids contained 64 open reading frames (ORFs), 22 of which were homologous with genes of known function and 3 of which were homologous with putative genes of unknown function in other species. Putative functions were assigned to five ORFs based on protein family characteristics. The most striking feature of the virulence plasmids was the presence of a 27,536-bp pathogenicity island containing seven virulence-associated protein (vap) genes, including vapA.

These

vap genes have extensive homol. to vapA, which encodes a thermo-regulated and surface-expressed protein. The pathogenicity island contained a LysR family transcriptional regulator and a two-component response regulator upstream of six of the vap genes. The vap genes were present as a cluster of three (vapA, vapC, and vapD), as a pair (vapE and vapF), or individually (vapG; vapH). A region of extensive direct repeats of unknown function, possibly associated with thermoregulation, was present immediately upstream of the clustered and the paired genes but not the individual vap genes. There was extensive homol. among the C-terminal halves of all vap genes but not generally among the N-terminal halves. The remainder of the plasmid consisted of a large region which appears to be associated with replication and partitioning functions.

RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> D L4 KWIC BIB AB 2-13

- L4 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN
- SO Journal of Economic Entomology (1999), 92(2), 463~472 CODEN: JEENAI; ISSN: 0022-0493
- IT 224349-06-8, GenBank AF006820 224350-52-1, GenBank AF007263
 224350-53-2, GenBank AF007264 224350-54-3, GenBank AF007265
 RL: PRP (Properties)

(nucleotide sequence; mol.-based approach to differentiation of mealybug species)

- AN 1999:800266 CAPLUS
- DN 132:135079
- TI Molecular-based approach to the differentiation of mealybug (Hemiptera: Pseudococcidae) species
- AU Beuning, L. L.; Murphy, P.; Wu, E.; Batchelor, T. A.; Morris, B. A. M.
- CS Mt. Albert Research Centre, The Horticulture and Food Research Institute of New Zealand Limited, Auckland, N. Z.
- SO Journal of Economic Entomology (1999), 92(2), 463-472 CODEN: JEENAI; ISSN: 0022-0493
- PB Entomological Society of America
- DT Journal

- LA
- AB The rDNA internal transcribed spacer (ITS) region of 4 mealybug species, Pseudococcus viburni, P. longispinus, P. calceolariae, and P. similans, was isolated by PCR amplification, cloned, and sequenced. In this region of the genome there were numerous differences, including nucleotide substitutions, insertions, or deletions between P. viburni, P. longispinus, and P. calceolariae, whereas P. calceolariae and P. similans were very similar. Based on sequence differences between the ITS regions; we designed PCR primers that were able to differentiate the 4 mealybug species and that correlated with morphol. differences found between adult females of these species. The PCR amplification by using the species-specific primers enabled the differentiation of not only adult females but also eggs, juveniles, and adult males, which was not previously possible by using conventional identification methods.
- THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 15 ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L4ANSWER 3 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN
- Nature (London) (1998), 396(6707), 190-198 SÓ
- CODEN: NATUAS; ISSN: 0028-0836 123338-22-7, Antigen MPB 70 (Mycobacterium BCG subunit precursor reduced) ΙT 123626-27-7, Antigen (Mycobacterium tuberculosis clone Y3147/Y3293 128794-23-0, Antigen (Mycobacterium 15.1-kilodalton reduced) tuberculosis clone pAA26 38-kilodalton reduced) 133758-66-4, Protein (Mycobacterium tuberculosis clone pLWM2110 29.3-kilodalton) 133821-90-6 136108-01-5, Antigen (Mycobacterium tuberculosis 32.0-kilodalton precursor 143079-43-0, Enzyme (Mycobacterium tuberculosis clone pEJ135 reduced) 144058-44-6, Antigen (Mycobacterium tuberculosis gene recA reduced) clone LO14.1/60.11 16.3-kilodalton) 147680-60-2 148197-35-7, Protein formation elongation factor Tu (Mycobacterium tuberculosis clone 59 gene 148500-49-6, Chaperonin 10 (Mycobacterium tuberculosis clone pRL4) 151185-45-4, Protein (Mycobacterium BCG strain Tokyo ribosome) 153554-09-7 152447-61-5 153065-70-4 153553-59-4 156533-24-3 157908-64-0 158651-59-3 161706-51-0 162394-21-0 167470-34-0 169028-30-2 171042-44-7 169028-28-8 171041-89-7 171042-45-8 171042-46-9 171042-47-0 171265-58-0 172076-24-3 172255-04-8 173012-46-9 173012-48-1 173012-49-2 175138-54-2 175380-16-2, GenBank Z70692 176202-81-6 176227-70-6 176483-25-3, GenBank Z73101 176800-82-1, GenBank Z73419 177117-08-7, GenBank Z73902 177511-70-5, GenBank Z73966 177893-19-5 177893-61-7 178097-34-2 178301-01-4, GenBank Z74024 178301-02-5, GenBank Z74025 178301-03-6, GenBank Z74020 178303-47-4 178353-85-0, GenBank Z74410 178353-86-1, GenBank Z74697 178661-13-7, GenBank Z75555 179302-56-8, GenBank Z77162 179302-57-9 GenBank Z77163 179302-58-0, GenBank Z77164 179302-59-1, GenBank Z77165 179379-75-0, GenBank Z77250 179708-86-2, GenBank Z77826 179726-64-8, GenBank Z77724 179792-29-1, GenBank Z77137 179794-65-1, GenBank Z78020 180772-02-5, GenBank Z79700 180772-03-6, GenBank Z79701 180772-04-7, GenBank Z79702 181014-48-2, GenBank Z80108 181205-39-0, GenBank Z80226 181205-40-3, GenBank Z80225 181290-46-0, GenBank Z80233 181291-68-9, GenBank Z80343 181613-93-4, GenBank Z80775 182302-80-3, GenBank Z81011 182795-10-4, GenBank Z81331 182848-75-5, GenBank Z81360 182861-94-5, GenBank Z81368 182911-97-3, GenBank Z81371 183102-96-7, GenBank Z82098 183102-97-8, GenBank Z81451 183780-86-1, GenBank Z83018 183907-86-0 183971-97-3 184050-67-7 185283-18-5, GenBank Z83862 185283-20-9, GenBank Z83857 185283-19-6, GenBank Z83863 185283-21-0, 185283-22-1, GenBank Z83865 GenBank Z83864 185283-23-2, GenBank Z83866 185283-24-3, GenBank Z83858 185283-26-5, 185283-25-4, GenBank Z83859 GenBank Z83867 185283-27-6, GenBank Z83860 185773-92-6, GenBank Z84395 185773-93-7, GenBank Z84498 186018-42-8, GenBank Z84724 186018-43-9, 186637-75-2, GenBank Z86089 GenBank Z84725 186286-01-1, GenBank Z85982 187126-39-2, GenBank Z92539 187134-54-9, GenBank Z92669 187261-49-0, GenBank Z92770 . 187261-50-3, GenBank Z92774 187261-51-4, GenBank Z92771 187261-52-5, GenBank Z92772 187621-38-1 188334-23-8, GenBank Z93777 188856-06-6 188992-77-0 188992-84-9 188993-03-5 189467-14-9,

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RL: PRP (Properties)
   (deciphering the biol. of Mycobacterium tuberculosis from the complete
   genome sequence (Erratum))
1998:773005
            CAPLUS
130:120325
Deciphering the biology of Mycobacterium tuberculosis from the complete
genome sequence. [Erratum to document cited in CA129:77224]
Cole, S. T.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris,
D.; Gordon, S. V.; Eiglmeier, K.; Gas, S.; Barry, C. E., III; Tekaia, F.;
Badcock, K.; Basham, D.; Brown, D.; Chillingworth, T.; Connor, R.; Davies,
R.; Devlin, K.; Feltwell, T.; Gentles, S.; Hamlin, N.; Holroyd, S.;
Hornsby, T.; Jagels, K.; Krogh, A.; McLean, J.; Moule, S.; Murphy, L.;
Oliver, K.; Osborne, J.; Quail, M. A.; Rajandream, M.-A.; Rogers, J.;
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Rutter, S.; Seeger, K.; Skelton, J.; Squares, R.; Squares, S.; Sulston, J. E.; Taylor, K.; Whitehead, S.; Barrell, B. G.

- ·CS Sanger Cent., Wellcome Trust Genome Campus, Hinxton, CB10 1SA, UK
- SO Nature (London) (1998), 396(6707), 190-198 CODEN: NATUAS; ISSN: 0028-0836
- PB Macmillan Magazines
- DT Journal
- LA English
- AΒ Table 1 was published with some symbols missing; the correct version can be found at http://www.sanger.ac.uk and is given here. In Fig. 2, Rv0649 was incorrectly labeled as fadD37 instead of fabD2. Two of the genes for mycolyl transferases were inverted: Rv0129c encodes antigen 85C and not 85c' as stated, whereas Rv3803c codes for the secreted protein MPT51 and not antigen 85C (Infect. Immun. 59, 372-382; 1991); Rv3803c is now designated fbpD. The sequence of Rv0746 from M. bovis BCG-Pasteur presented in Fig. 5 b was incorrect and should have shown a 16-codon deletion instead of 29.
- ANSWER 4 OF 13 CAPLUS COPYRIGHT 2005 ACS on STN L4
- SO Nature (London) (1998), 393(6685), 537-544
 - CODEN: NATUAS; ISSN: 0028-0836
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        (nucleotide sequence; deciphering the biol. of Mycobacterium
        tuberculosis from the complete genome sequence)
    1998:389708 CAPLUS
    129:77224
    Deciphering the biology of Mycobacterium tuberculosis from the complete
     genome sequence
    Cole, S. T.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris,
    D.; Gordon, S. V.; Eiglmeier, K.; Gas, S.; Barry, C. E., III.; Tekaia, F.;
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    Rutter, S.; Seeger, K.; Skelton, J.; Squares, R.; Squares, S.; Sulston, J.
    E.; Taylor, K.; Whitehead, S.; Barrell, B. G.
    Sanger Cent., Wellcome Trust Genome Campus, Hinxton, CB10 1SA, UK
    Nature (London) (1998), 393(6685), 537-544
    CODEN: NATUAS; ISSN: 0028-0836
    Macmillan Magazines
    Journal
    English
    Countless millions of people have died from tuberculosis, a chronic
     infectious disease caused by the tubercle bacillus. The complete genome
     sequence of the best-characterized strain of Mycobacterium tuberculosis,
    H37Rv, was determined and analyzed in order to improve our understanding of the
    biol. of this slow-growing pathogen and to help the conception of new
    prophylactic and therapeutic interventions. The genome comprises
     4,411,529 base pairs, contains around 4000 genes, and has a very high G+C
    content that is reflected in the biased amino acid content of the
    proteins. M. tuberculosis differs radically from other bacteria in that a
    very large portion of its coding capacity is devoted to the production of
     enzymes involved in lipogenesis and lipolysis, and to 2 new families of
     glycine-rich proteins with a repetitive structure that may represent a
     source of antigenic variation.
              THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 46
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
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L4ANSWER 5 OF 13 GENBANK® COPYRIGHT 2005 on STN CAS REGISTRY NO. (RN): 620516-96-3 Nature, 393 (6685), 537-544 (1998) JOURNAL (SO): JOURNAL (SO): Microbiology (Reading, Engl.), 148 (PT 10), 2967-2973 Submitted (11-JUN-1998) Submitted on behalf of the JOURNAL (SO): Mycobacterium. . GENBANK® COPYRIGHT 2005 on STN L4ANSWER 6 OF 13 CAS REGISTRY NO. (RN): 296752-82-4 Infect. Immun., 68 (12), 6840-6847 (2000) JOURNAL (SO): JOURNAL (SO): Submitted (18-FEB-2000) Shinji Takai, Kitasato University, School of Veterinary Medicine and Animal Sciences, Department of Animal Hygiene; Higashi. ANSWER 7 OF 13 GENBANK® COPYRIGHT 2005 on STN L4CAS REGISTRY NO. (RN): 231129-75-2 Proc. Natl. Acad. Sci. U.S.A., 96 (17), 9739-9744 (JOURNAL (SO): 1999) GENBANK® COPYRIGHT 2005 on STN ANSWER 8 OF 13 L4CAS REGISTRY NO. (RN): 225597-70-6 Can. J. Vet. Res., 59 (3), 229-231 (1995) JOURNAL (SO): JOURNAL (SO): Plasmid, 38 (3), 180-187 (1997) Infect. Immun., 68 (12), 6840-6847 (2000) JOURNAL (SO): JOURNAL (SO): Submitted (06-JUN-1996) Pathobiology, University of Guelph, Ontario, WA N1G 2W1, Canada Submitted (08-JUL-1998) Veterinary Microbiology and. JOURNAL (SO): GENBANK® COPYRIGHT 2005 on STN ANSWER 9 OF 13 CAS REGISTRY NO. (RN): 188090-39-3 JOURNAL (SO): Science, 282 (5396), 2012-2018 (1998) Submitted (27-MAR-1997) Nematode Sequencing Project, JOURNAL (SO): Sanger Institute, Hinxton, Cambridge CB10 1SA, England and Department of Genetics, Washington University,. GENBANK® COPYRIGHT 2005 on STN L4ANSWER 10 OF 13 CAS REGISTRY NO. (RN): 183101-48-6 JOURNAL (SO): Science, 282 (5396), 2012-2018 (1998) Submitted (06-NOV-1996) Nematode Sequencing Project, JOURNAL (SO): Sanger Institute, Hinxton, Cambridge CB10 1SA, England and Department of Genetics, Washington University,. GENBANK® COPYRIGHT 2005 on STN ANSWER 11 OF 13 CAS REGISTRY NO. (RN): 181614-65-3 JOURNAL (SO): Science, 282 (5396), 2012-2018 (1998) JOURNAL (SO): Unpublished (2001) JOURNAL (SO): Submitted (15-SEP-1996) Department of Genetics, Washington University, Genome Sequencing Center, 4444 Forest Park Avenue, . . . L4ANSWER 12 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN): 179794-65-1

JOURNAL (SO):

Nature., 393 (6685), 537-544 (1998)

JOURNAL (SO):

Submitted (11-JUN-1998) Submitted on behalf of the Mycobacterium tuberculosis sequencing and mapping

teams, Sanger Centre, Wellcome Trust Genome. .

L4ANSWER 13 OF 13 GENBANK® COPYRIGHT 2005 on STN

CAS REGISTRY NO. (RN):

170550-83-1

JOURNAL (SO):

Science, 282 (5396), 2012-2018 (1998)

JOURNAL (SO):

Unpublished (2001)

JOURNAL (SO):

Submitted (02-NOV-1995) Department of Genetics,

Washington University, Genome Sequencing Center, 4444

Forest Park Avenue,.

=> DISPLAY HISTORY

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125 SEA ABB=ON PLU=ON TCGCGAACGTTCG/SOSN

D KWIC SQL IDE 1-125 D KWIC SQL SQIDE 6-125

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L3 139 DUP REM L2 (11 DUPLICATES REMOVED)

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 21 Jul 2005 (20050721/PD)

FILE LAST UPDATED: 21 Jul 2005 (20050721/ED)

HIGHEST GRANTED PATENT NUMBER: US6920641

HIGHEST APPLICATION PUBLICATION NUMBER: US2005160510

CA INDEXING IS CURRENT THROUGH 21 Jul 2005 (20050721/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 21 Jul 2005 (20050721/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2005

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=> D L5 KWIC SQL 1-125

L5 ANSWER 1 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

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HITS AT: 39576-39588

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L5 ANSWER 2 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 27566993

L5 ANSWER 3 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEO

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

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L5 ANSWER 4 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

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SEQ 151 cattgtcaag gctgctatct acgaagtctt cgctccaaag ttgacccctc

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L5 ANSWER 6 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

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HITS AT: 57-69

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L5 ANSWER 7 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

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HITS AT: 125-137

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L5 ANSWER 8 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

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L5 ANSWER 9 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEO

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

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L5 ANSWER 10 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

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SQL 36907357

L5 ANSWER 11 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

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L5 ANSWER 13 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

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L5 ANSWER 14 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEO

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L5 ANSWER 17 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

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HITS AT: 265-277

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L5 ANSWER 18 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 29301 aatcgatcgc cgaagtgcac gcctaccaga ccgacgtctt cgcgaacgtt

29351 cgggagcacg acgacgcctc ggttccctcc agtcgcggtt acgctcaaat

HITS AT: 29340-29352

SQL 40909

L5 ANSWER 19 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 17801 tetatggggt tegeaaagtt egegaaegtt egeaetttte ggegaaagtt

HITS AT: 17820-17832

HITS AT: SOL 96260

L5 ANSWER 20 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 751 tcctctaaat gataaggttc aatggacttc tcgcgaacgt tcggggggcg

HITS AT: 781-793

SQL 1023

L5 ANSWER 21 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 3510148

L5 ANSWER 22 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 4403837

L5 ANSWER 23 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcgaacgttt c

HITS AT: 1-13

SOL 21

L5 ANSWER 24 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcgaacgttc g

HITS AT: 1-13

SQL 21

L5 ANSWER 25 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 108501 gtctatgggg ttcgcaaagt tcgcgaacgt tcgcactttc cggcgaaagt

HITS AT: 108521-108533

SQL 178727

L5 ANSWER 26 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 851 cgtctggcgn acgcaatagt attattatgc gctgtcgcga acgttcgtct

HITS AT: 885-897

SQL 1413

L5 ANSWER 27 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 tcagtcatca tgcgctgtcg cggtaccaac acatcgcgaa cgttcgaagc

HITS AT: 284-296

SQL 759

L5 ANSWER 28 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 ctgtcgcggt accaacacat cgcgaacgtt cgaagcggag aagttggttt

HITS AT: 420-432

SOL 754

L5 ANSWER 29 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 201 aatatacgcc ctaaaaccgt tattatcgct taactgcaat gttaagtatc

251 gcgaacgttc ggaccgaata cgggcgcgag gtcgcggtaa cttagatcac

HITS AT: 249-261

SQL 1017

L5 ANSWER 30 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 52201 aaagttcgcg aacgttcgca ctttccgacg aaagttcgcg aacgggttcg

125201 ctatggggtt cgcaaagttc gcgaacgttc gcactttccg acgaaagttc

HITS AT: 52206-52218, 125219-125231

SQL 196315

L5 ANSWER 31 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 ttcgtcgcta tctgatacat cgcgaacgtt cgacattatc taattaaagg

= ======== ==

HITS AT: 420-432

SQL 1345

L5 ANSWER 32 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 62551 tegegaaegt tegatgegge gagetattta eggtegettg gtgeggaeae

HITS AT: 62551-62563

SQL 290841

L5 ANSWER 33 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 905066

L5 ANSWER 34 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEO

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 823472

L5 ANSWER 35 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SOL 811579

L5 ANSWER 36 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 196301 agatttaacc acagctatgt gaccgtcgcg aacgttcgat ctgaacaaat

===== ======

HITS AT: 196326-196338

SQL 264152

L5 ANSWER 37 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 ccacggaagt cggcacaccc tcgccgtttc gcgaacgttc ggtgcaggag

HITS AT: 429-441

SQL 1668

L5 ANSWER 38 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 451 ggttcggcca cggaagtcgg cacaccctcg ccgtttcgcg aacgttcggt

HITS AT: 486-498

SQL 1719

L5 ANSWER 39 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 136501 toccatagàa gtotatgggg ttogcaaagt togcgaacgt togcactttt

HITS AT: 136531-136543

SOL 212769

L5 ANSWER 40 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 37501 attgaagtet atgaggtteg caaagttege gaacgttege actttttgge

HITS AT: 37527-37539

SQL 146657

L5 ANSWER 41 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

57651 gatggagttt agatttaacc acagctatgt gaccgtcgcg aacgttcgat SEO

HITS AT: 57686-57698

SQL 140483

L5ANSWER 42 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEO 301 gttcgccttc ccattgaagt ctatggggtt cgcaaagttc gcgaacgttc

351 gcacttttcg gcgaaagttc gcgaacgggt tcgcgaacat ttttttttt

HITS AT: 339-351

SOL 1217

L5 ANSWER 43 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 301 gttttaaagt tcgccttccc attgaagtct atggggtttg caaagttcgc

351 gaacgttcgc acttttttgc ggaagttcgc aaactttttt tgcaaggttc

HITS AT: 347-359

SQL 1105

L5 ANSWER 44 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEO 301 aggttttaaa gttcgccttc ccattgaagt ctatggggtt tgcaaagttc

351 gcgaacqttc qcactttttt qcqqaaqttc qcaaactttt tttqcaaqqt

349-361

HITS AT:

SQL 1094

L5ANSWER 45 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEO 201 tgaagtetat ggggttegea aagttegega acgttegeac tttteggega

HITS AT: 225-237

SOL 889

ANSWER 46 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN L5

SEQ 201 gttcgcaaag ttcgcgaacg ttcgcacttt tcggcgaaag ttcgcgaaca _____ ====

HITS AT: 212-224 SQL 958

L5 ANSWER 47 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 ttgaagtcta tggggttcgc aaagttcgcg aacgttcgca cttttcggcg

HITS AT: 276-288

SQL 1004

L5 ANSWER 48 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 atggggttcg caaagttcgc gaacgttcgc acttttcggc gaaagttcgc

==== 255======

HITS AT: 267-279

SQL 1007

L5 ANSWER 49 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 gttttaaagt tcgccttccc attgaagtct atggggttcg caaagttcgc

151 gaacgttcgc actttttggc ggaagttcgc gaacgggttc gcaaactttt

HITS AT: 147-159

SQL 900

L5 ANSWER 50 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 acatcgcgaa cgttcgaagc ggagaagttg gtttgaactc catcgaagac

HITS AT: 404-416

SQL 1428

L5 ANSWER 51 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 146551 gccagcgagc ggcgcgtcga tcgcgaacgt tcgccatcgc ggcggccagt

888888888

HITS AT: 146571-146583

SQL 349737

L5 ANSWER 52 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 2201 ggggccacgc gtccccgctc gcgaacgttc ggtaggggac cacctggcgg

HITS AT: 2219-2231

SQL 346186

L5 ANSWER 53 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 tttggagccc aaccaagagt catcggactc accatgtcgc gaacgttcga

==== =======

HITS AT: 137-149

SQL 283

L5 ANSWER 54 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 74151 actgtttcgc gaacgttcgc ggactagacc caccctgatt acqtqqtqtc

HITS AT: 74157-74169

SQL 139217

L5 ANSWER 55 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 51 cagaactotc geoogogeet tegegaacgt tegeogeeac gteacettac

HITS AT: 71-83

SQL 781

L5 ANSWER 56 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 501 gccttcgcga acgttcgccg ccacgtcacc ttacccgctc ccggattaaa

HITS AT: 505-517

SQL 831

L5 ANSWER 57 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 501 aacgcgacta cttgcggttc gcgttcgcga acgttcgtcg gcagcgtcgg

HITS AT: 525-537

SQL 655

L5 ANSWER 58 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 atccgagctg agaatccttg gaataatcgc gaacgttcgt tttattgcag

HITS AT: 127-139

SQL 220

L5 ANSWER 59 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 gaatcettgg aataatcgcg aacgttcgtt ttattgcagg acacacatca

HITS AT: 116-128

SQL 442

L5 ANSWER 60 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 51 aatccttgga ataatcgcga acgttcgttt tattgcagga cacacatcaa

HITS AT: 65-77

SQL 374

L5 ANSWER 61 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 atccgagctg agaatccttg gaataatcgc gaacgttcgt tttattgcag

HITS AT: 127-139

SOL 449

L5 ANSWER 62 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 ccagttgaaa aaactcgcga acgttcgtca cgttcggcat cgaaaqaqqa

HITS AT: 115-127

SQL 616

L5 ANSWER 63 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 ccgcgccttc gcgaacgttc gccgccacgt caccttaccc gctcccggat

HITS AT: 109-121

SQL 672

L5 ANSWER 64 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 42751 tcgcgaacgt tcggtgcggg ctcgatcaag ccaagccggc gagttccgtt

HITS AT: 42751-42763

SQL 300350

L5 ANSWER 65 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 288901 ccggttactc cgccgtgctc ttcaatccga cggacgcgga tggttcgatc == 288951 gcgaacgttc gtcgagcgaa agaagccggc gtgcccgtgt tctgcatgga

HITS AT: 288949-288961

SQL 321950

L5 ANSWER 66 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 114801 cggcaggtca gcaagaagag aatggtggcg acggtgagcg tgcatccttc ==

114851 gcgaacgttc ggagatttgc cggtcagtgt tagcagcacg taggcaatca

HITS AT: 114849-114861

SQL 340750

L5 ANSWER 67 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 157251 gactaggggc cacgcgtccc cgctcgcgaa cgttcggtag gggaccacct

HITS AT: 157274-157286

SQL 291050

L5 ANSWER 68 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 55801 teccattgaa gtetatgggg ttegeaaagt tegegaaegt tegeaettte

HITS AT: 55831-55843

SQL 89767

L5 ANSWER 69 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 26151 ccattgaagt ctatggggtt cgcaaagttc gcgaacgttc gcactttccg

HITS AT: 26179-26191

SQL 71786

L5 ANSWER 70 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 8651 gcatcctgtc caaggaggag ttcatcgcga acgttcggaa tgatgcggcc

HITS AT: 8675-8687

SQL 11375

L5 ANSWER 71 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 8651 gcatcctgtc caaggaggag ttcatcgcga acgttcggaa tgatgcggcc

HITS AT: 8675-8687

SQL 11375

L5 ANSWER 72 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 166201 tggttcgcga acgttcgtcc agggacgacg ggattatttg aagagtatcc

HITS AT: 166205-166217

SQL 167539

L5 ANSWER 73 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 ctgtcgcggt accaacacat cgcgaacgtt cgaagcggag aagttggttt

HITS AT: 420-432

SOL 642

L5 ANSWER 74 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcg

HITS AT: 1-13

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 13

L5 ANSWER 75 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 25501 aacggaatcc gatccctcgc gaacgttcgg gacggacggt ttgggctggg

HITS AT: 25517-25529

SQL 162711

L5 ANSWER 76 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 61601 tgcggtaagc actacggcga ccagcatcat taacagtcgc gaacgttcga

HITS AT: 61637-61649

SQL 300413

L5 ANSWER 77 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 451 ccctcgccgt ttcgcgaacg ttcggtgcag gagaacctcg acctgttccg

HITS AT: 462-474

SQL 1707

L5 ANSWER 78 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 geggtaceaa cacategega aegttegaag eggagaagtt ggtttgaact

HITS AT: 415-427

SQL 696

L5 ANSWER 79 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 196501 accacageta tgtgacegte gegaaegtte gatetgaaca aatactatte

HITS AT: 196519-196531

SQL 222376

L5 ANSWER 80 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 tggcgtcagt catcatgcgc tgtcgcggta ccaacacatc gcgaacgttc

451 gaageggaga agttggtttg aactecateg aagacaacce gtettataat

HITS AT: 439-451

SOL 1626

L5 ANSWER 81 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 201 gggcaagtat tgcgacgccg tcatggaatg ttgtatctcg cgaacgttcg

HITS AT: 238-250

SQL 556

L5 ANSWER 82 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 6874

L5 ANSWER 83 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 251 tcaagaactc ggtctcgcga acgttcgcgc gatcgtcgca ctcctcccgc

===== ===== S AT: 265-277

HITS AT: SOL 565

L5 ANSWER 84 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcg

HITS AT: 1-13

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 13

L5 ANSWER 85 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 1 tcgcgaacgt tcg

HITS AT: 1-13

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 13

L5 ANSWER 86 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 851 aaaaccgaac tcgcgaacgt tcgaaccgcg cgtaaaacga aactacactc

HITS AT: 861-873

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 1024

L5 ANSWER 87 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 151 gcgaggattt ttcgggcgtc gcgaacgttc gttcgttcgt tcgttcgttc

HITS AT: 169-181

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 734

L5 ANSWER 88 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 351 acgggagage ggggtagttt eggaattgtg agaggegaga egtegegaae

401 gttcggagcg cgggaatttc ggagtcgcga gattgtagta gcggcggtcg

=====

HITS AT: 393-405

RELATED SEQUENCES AVAILABLE WITH SEQLINK

SQL 549

L5 ANSWER 89 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 851 aaaaccgaac tcgcgaacgt tcgaaccgcg cgtaaaacga aactacactc

HITS AT: 861-873

RELATED SEQUENCES AVAILABLE WITH SEQLINK
SOL 1024

L5 ANSWER 90 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 151 gcgaggattt ttcgggcgtc gcgaacgttc gttcgttcgt tcgttcgttc

HITS AT: 169-181

RELATED SEQUENCES AVAILABLE WITH SEQLINK SOL 734

L5 ANSWER 91 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 351 acgggagage ggggtagttt cggaattgtg agaggegaga cgtcgegaac

401 gttcggagcg cgggaatttc ggagtcgcga gattgtagta gcggcggtcg

HITS AT: 393-405

RELATED SEQUENCES AVAILABLE WITH SEQLINK SQL 549

L5 ANSWER 92 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 51 acgtccttta cttgacggct ctttgcctgt cgcgaacgtt cgtcggtgcc

HITS AT: 80-92

SQL 167

L5 ANSWER 93 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK SQL 6874

L5 ANSWER 94 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK SOL 6874

L5 ANSWER 95 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN.

SEQ 78251 ttctcgcgaa cgttcgtggc tgtttcccgt gtagggtagt acgcctacta

HITS AT: 78254-78266

SQL 127917

L5 ANSWER 96 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 acacatcgcg aacgttcgaa gcggagaagt tggtttgaac tccatcgaag

HITS AT: 406-418

SQL 537

L5 ANSWER 97 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK
SOL 6874

L5 ANSWER 98 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 451 attaggttgc gatcgcgaac gttcgatttt ttttaggagt cgtagcgagc

_____ ___

HITS AT: 463-475

RELATED SEQUENCES AVAILABLE WITH SEQLINK
SOL 803

L5 ANSWER 99 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 451 attaggttgc gatcgcgaac gttcgatttt ttttaggagt cgtagcgagc

HITS AT: 463-475

RELATED SEQUENCES AVAILABLE WITH SEQLINK SQL 803

L5 ANSWER 100 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 501 gttttgtttg tgcgagactc ccagctttcc cagaaaattt tcgcgaacgt

551 tcgtcccgac gcatttcatc t

HITS AT: 541-553

SQL 571

L5 ANSWER 101 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 gcgctgtcgc ggtaccaaca catcgcgaac gttcgaagcg gagaagttgg

HITS AT: 423-435

SOL 474

L5 ANSWER 102 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK SOL 6874

L5 ANSWER 103 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK* SQL 6874

L5 ANSWER 104 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 51 gtcctttact tgacggctct ttgcctgtcg cgaacgttcg tcggtgccca

HITS AT: 78-90

SQL 160

L5 ANSWER 105 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK SQL 6874

L5 ANSWER 106 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK SQL 6874

L5 ANSWER 107 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK SQL 6874

L5 ANSWER 108 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 4403765

L5 ANSWER 109 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 4411529

L5 ANSWER 110 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 6051 tggggagagg ggagatttcg cgaacgttcg taatcgtggg gaaaggcgta

HITS AT: 6068-6080

RELATED SEQUENCES AVAILABLE WITH SEQLINK SQL 6874

L5 ANSWER 111 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 11851 gtccccgctc gcgaacgttc ggtaggggac cacctggcgg tacggcggcg

HITS AT: 11859-11871

SQL 15663

L5 ANSWER 112 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 101 cgtcaagaaa gttgatgacg ttaccggtga aaaagttcgc gaacgttcga

HITS AT: 137-149

SQL 503

L5 ANSWER 113 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ

*** DISPLAY LENGTH EXCEEDS SYSTEM LIMITS ***

SQL 2727709

L5 ANSWER 114 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 39151 teggegeagg ttetegegaa egttegggge ggagtgeggt eggagggage

HITS AT: 39164-39176

SOL 80610

L5 ANSWER 115 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 501 ctcttgtaat tcgcctcgta attgttgaat aattcgcgaa cgttcgatat

HITS AT: 534-546

SQL 845

L5 ANSWER 116 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 401 tacgaaaacc gtagtggatc gaatatatta tcgatgtggc tcggggtcgc

451 gaacgttcgt aaggccgcac aaatgtagtc gtgatatttc tgagacgtgc

HITS AT: 447-459

SOL 1560

L5 ANSWER 117 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 351 tgactaatgt gtctctgatg atatatgatt atgtactgcg atgtcgcgaa

401 cgttcgtacg tcgattacga tacggaactc gatactagcg cgtatacgac

HITS AT: 394-406

SOL 745

L5 ANSWER 118 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 39151 eggegeaggt tetegegaae gtteggggeg gagtgeggte ggagggageg

HITS AT: 39163-39175

SQL 80609

L5 ANSWER 119 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 751 tgggcgtgcg cctctcgggg tgccgtttcg cgaacgttcg ttgaaatact

HITS AT: 778-790

SQL 1364

L5 ANSWER 120 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 751 gggcgtgcgc ctctcggggt gccgtttcgc gaacgttcgt tgaaatacta

HITS AT: 777-789

SOL 1363

L5 ANSWER 121 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 14251 ttctccgacg atctagcagg tgggaaaatt cgcgaacgtt cgttgttctg

HITS AT: 14280-14292

SOL 33451

L5 ANSWER 122 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 4301 cacacgcgag tcgcgaacgt tcgcaaactg cacatgtctc actcctctgc

HITS AT: 4311-4323

SQL 29731

L5 ANSWER 123 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 7601 tatttacaca ttgtccagcg caatgtgcac attgcgactc gcgaacgttc

7651 gccatatcca cattgcaaat gtctattttc atgatgcact aaagcctaat

HITS AT: 7639-7651

SQL 7776

L5 ANSWER 124 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 24551 aggggccacg cgtccccgct cgcgaacgtt cggtagggga ccacctggcg

HITS AT: 24570-24582

SQL 30850

L5 ANSWER 125 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

SEQ 4851 gcacattgcg actcgcgaac gttcgccata tccacattgc aaatgtctat

HITS AT: 4863-4875

SQL 41628

=> D L5 RN 1-125

L5 ANSWER 1 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 839662-48-5 REGISTRY

L5 ANSWER 2 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 827550-70-9 REGISTRY

L5 ANSWER 3 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 827550-66-3 REGISTRY

L5 ANSWER 4 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 826334-64-9 REGISTRY

L5 ANSWER 5 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 826087-90-5 REGISTRY

L5 ANSWER 6 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 825434-16-0 REGISTRY

L5 ANSWER 7 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 822614-11-9 REGISTRY

L5	ANSWER	8	OF	125	REGISTRY	COPYRIGHT	2005	ACS	on	STN
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RN 819790-47-1 REGISTRY

L5 ANSWER 9 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 817548-10-0 REGISTRY

L5 ANSWER 10 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 815553-88-9 REGISTRY

L5 ANSWER 11 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 815527-22-1 REGISTRY

L5 ANSWER 12 OF 125 REGISTRY COPYRIGHT 2005 ACS on STN

RN 815234-34-5 REGISTRY

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RN 812258-80-3 REGISTRY

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